PKUM00933

NETIS 5/8 Port Gigabit Ethernet Switch

User Manual

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MADE IN CHINA

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Certification

FCC CE

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment

Package Contents

The following items should be found in your package:

>5/8 Port Gigabit Ethernet Switch

>Power Adapter

>User Manual

Make sure that the package contains above items. If any of the above items is missing or damaged, please contact the store you bought this product from.

Contents

1.INTRODUCTION 1

1.1.PRODUCTOVERVIEW 1

1.2.MAINFEATURES 1

1.3.STANDARDS 2

1.4.WORKINGENVIRONMENT 2

2.INSTALLATION 3

2.1.BEFOREINSTALLATION 3

2.2.CONNECTING THE 5/8 PORT GIGABIT ETHERNET SWITCH

TO YOUR NETWORK 3

2.3.LEDINDICATORS 4

3.TROUBLESHOOTING 4

1.Introduction

1.1.Product Overview

The 5/8 Port Gigabit Ethernet switch provides non-blocking, wire speed switching for your 10, 100, and 1000 megabit network clients. Drop this switch in place of your current work group hub or switch, and you can upgrade your high-requirement workstations to full Gigabit speeds as necessary, while continuing to service other clients at their current speeds, or build your network from the ground up, with appropriate link speeds for each user's requirements. Either way, it's perfect for graphics projects, multimedia, and other applications that need to move large files across the network quickly. With the 5/8 Port Gigabit Ethernet switch, you can connect your existing 10/100 Ethernet network to a Gigabit server backbone without any additional equipment. All ports have automatic MDI/MDIX detection, so installation is worry free. Each port independently and automatically negotiates for best speed and whether to run in half or full-duplex

1.2.Main Features

>Compliant with IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T

>5/8 10/100/1000Mbps Ethernet ports

>Each port supports full duplex 10/100/1000M connectivity (half duplex only supported in 10/100M Mode)

>IEEE802.3x standard flow control for full-duplex, optional back pressure function for half-duplex operation

>10/16Gbps switching fabric capacity

> Supports 9216 bytes jumbo packet length forwarding at wired speed
> 8K MAC address table
> Power Efficient
> LED indicators for simple diagnostics
> Plug and Play

1.3.Standards

> IEEE 802.3 10Base-T
>IEEE 802.3u 100Base-TX
> IEEE802.3ab 1000Base-T
> IEEE 802.3x Flow Control

1.4.Working Environment

Temperature:
> 0°C to 40°C (operating)
> -40°C to 70°C (storage)
Humidity:
> 10% to 90 % non-condensing (operating)
> 5% to 90% non-condensing (storage)
Power:
> 5 Port DC 9V
> 8 Port DC 5V

2.Installation

2.1.Before Installation

Take note of the following conditions before using your switch:
>nstall the 5/8 Port Gigabit Ethernet Switch in a fairly cool and dry place. See Working Environment for the acceptable operating temperature and humidity ranges
>Install the Switch in a site free from strong electromagnetic sources, vibration, dust, and direct sunlight.
>Leave at least 10cm of space to both the left and right of the switch for ventilation.
>Visually inspect the DC power jack and make sure the power adapter cord is securely connected.
>Do not place items on top of switch

2.2.Connecting the 5/8 Port Gigabit Ethernet Switch toto Your Network

Description	Function
PWR	Connect to power adapter provided with unit. Don't use other power adapters as your switch could be damaged.
LAN1-5/8	These ports support network speeds of 10Mbps, 100Mbps or 1000Mbps, and can operate in half and full-duplex transfer modes. These ports also support automatic MDI/MDIX detection, which gives the Switch true 'plug and play' capabilities. Just connect any network cable from a device to the switch, and the switch will automatically detect the settings of the device and adjust itself accordingly.

2.3.LED Indicators

The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the switch, connection or attached devices.

LED	Function	
PWR	On	Power on
	Off	Power off
LAN1-5/8	On	Corresponding port connection normal
	Flashing	Data transmitting
	Off	Corresponding port connection abnormal/not connected

3.Troubleshooting

1.The Power LED is not lit
> Check if the AC power cord is well connected. Try to unplug and plug back in the power cord to the LAN Switch or try another power outlet.
2.The Link LED is not lit
> Make sure the network configuration of connecting device is correct, and network card and drivers are installed correctly.
> Check the cable connections.
> Make sure the cable distance between the switch and other IEEE802.3 compatible network device does not exceed 100 meters.

3.Performance is bad
> Check the status of Ethernet switching. If Ethernet switching is set to full-duplex on one device but a partner is set to half-duplex, then performance will be poor.
> Make sure the cable between the switch and other IEEE802.3 compatible network device is Category 5 UTP or better.
4.Some devices can't talk to other devices on the network
> Check status of the Link LEDs to make sure devices are linked.
> Make sure that the devices' network configurations are correct.
> Reset the switch if needed.

USA/Canada Technical Support:

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